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Sheet 1 of 1 GROUP 1800

SUBSTITUTE FORM PTO-1449
(REVISED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Attorney Docket No.

00786/345001

Serial No.

08/717,294

Applicant

Brian Seed et al.

Filing Date

September 20, 1996

Group

435/636

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
NSD	5,270,171 X	12/14/93	Cercek et al.	435	29	
NSD	4,652,639 X	03/24/87	Stabinsky	435	91.52	
NSD	5,082,767	01/21/92	Hatfield et al.	435	6	
NSD	5,276,268 X	01/04/94	Strauch et al.	800	288	
NSD	5,405,776	04/11/95	Kotewicz et al.	435	194	

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Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

NSD	Fortkamp et al., DNA 5:511-517 (1986)
NSD	Chou et al., AIDS Research and Human Retroviruses 8:1967-1976 (1992)
NSD	Rangwala et al., Gene 122:263-269 (1992)
NSD	Scorer et al., Gene 136:111-119 (1993) X
NSD	Holler et al., Gene 136:323-328 (1993)

EXAMINER

DATE CONSIDERED

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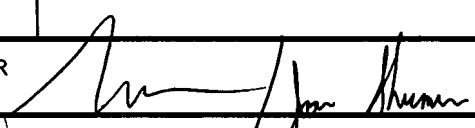
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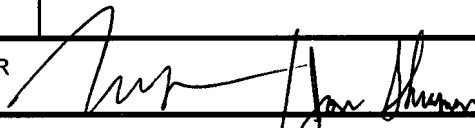
SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 00786/345001		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR §1.98(b))				Serial No. 08/717,294		
				Applicant Brian Seed et al.		
				Filing Date September 20, 1996		
				Group 444 / 636		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
NSD	5,464,774	11/07/95	Baird et al.	536	23.51	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
10	NSD	Bosch et al., Journal of Virology 68:7566-7569 (1994) ✓				
11	NSD	van Hemert et al., Journal of Molecular Evolution 41:132-140 (1995)				
12	NSD	Cohen et al. (abstract), in Modern Approaches New Vaccines, 64 (1988)				
13	NSD	Hernan et al., Biochemistry 31:8619-8628 (1992)				
14	NSD	Williams et al., Nucleic Acids Research 16/22:10453-10467 (1988) ✓				
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U.S. PATENTS						
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
X 16 17 18 19	MSN MSN MSN MSN MSN	Inouye et al., FEBS Letters 341:277-280 (1994) Coulombe and Skup, Gene 46:89-95 (1986) Kamiya et al., Jpn. J. Cancer Res. 80:200-203 (1989) McCarrey, Nucleic Acids Res. 18:949-955 (1990) Grantham et al., Nature 319:727-728 (1986)				
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
to non non non non non	Kypr et al., Nature 327:20 (1987)					
	Sharp, Nature 324:114 (1986)					
	Newgard et al., Proc. Natl. Acad. Sci. USA 83:8132-8136 (1986)					
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NON	Cochrane et al., J. of Virology 65 (10):5305-5314 (1991) /					
NON	D'Agostino et al., Mol. And Cell. Biol. 12(3):1375-1386 (1992) /					
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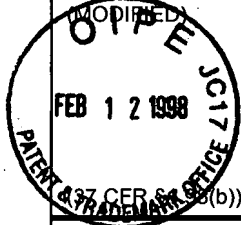
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29 8	NON NON NON	Robinson et al., Nucl. Acids. Res. 12(17):6663-6671 (1984) ✓				
		Zhang et al., Gene 105(1):61-72 (1991)				
		Zhang et al., J. of Protein Chem. 12(3):329-335 (1993)				
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U.S. PATENTS						
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	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<u>NOT</u>	0 335 635	10/04/89	Europe			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
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Attorney Docket No. 00786/345001
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 Applicant Brian Seed et al.
 Filing Date September 20, 1996
 Group ~~1846~~ 1941/1436

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U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
ND	WO 96/09378	03/28/96	PCT	FFD	1998	

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ND	Seetharam et al., "Mistranslation in IGF-1 During Over-Expression of the Protein in Escherichia Coli Using a Synthetic Gene Containing Low Frequency Codons," Biochem. Biophys. Res. Comm. 155:518-523 (1988)

EXAMINER [Signature] / [Signature] DATE CONSIDERED 4/4/00

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